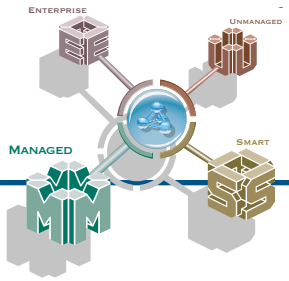
SMC Networks



Managed Switch

SMC6128PL2

TigerSwitch 10/100 Standalone 24-port 10/100 Managed Layer 2 Switch with PoE and 4 x Gigabit ports.

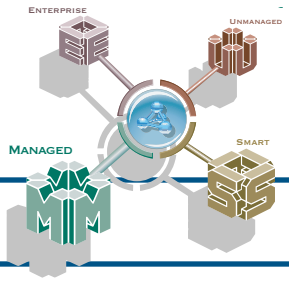
OVERVIEW

The SMC6128PL2 provides wire speed 10/100 Fast Ethernet switching with built in PoE features specifically designed for SMB workgroup environments. By supporting 802.3af POE on all 10/100 ports it enables easy installation of PoE devices such as IP Phones and IP Cameras. The 4 Gigabit ports provide enhanced uplink capabilities. An integrated part of this switch family is the IP Clustering function. The feature allows customers to group together up to 32 switches into a single logical group which can be managed using a single IP address. The switch also boasts advanced Quality of Service features that can reduce the latency of packets through the network, with specific traffic prioritization improving the delivery of converged data such as voice and high quality video over IP. The gigabit ports are 2 10/100/1000 ports plus 2 Combo gigabit ports (RJ-45/SFP) The PoE function allows up to 15.4W maximum per port. Overall this switch is part of flexible switch family which brings PoE and non-PoE switches to the edge of the network.

FEATURES	BENEFITS
High-gigabit port density in a small footprint	Supports 24*10/100Mbps with 4*Gigabit ports ports in an 1RU chassis
IEEE802.3af on all 10/100 ports	Supports the IEEE Power over Ethernet standard on all 10/100 ports
Supports IP Clustering	IP Clustering allows up to 32 units to be managed from a single IP address
VLAN with GVRP	Support VLANs based on frame tags or ports, plus support for automatic GVRP LAN registration
IGMP Snooping	Only allows IP Multicast traffic transmission to the registered members, resulting bandwidth savings--reduce IP multicast traffic and increase LAN performance
MultiLink Trunking with LACP	Can group links between switches to provide higher bandwidth connections on both 10/100 and Gigabit
Comprehensive security support	Currently supports RADIUS, IEEE802.1x, SSH, SSL, TACACS+, ACL

SMC Networks

TECHNICAL SPECIFICATIONS SMC6128PL2



PORTS
- 24 10/100BASE-T ports
- 2 10/100/1000BASE-T ports
- 2 Gigabit combo ports (RJ-45/SFP)
- 1 Console port

NETWORK INTERFACE
- 10/100 BASE-T ports
- 10/100/1000 BASE-T ports
- SFP Transceiver slots supporting SX, LX and ZX SFP
- Multimode fiber cable; 62.5/125 or 50/125 microns
- Singlemode fiber cable: 9/125 micron

SWITCHING FABRIC
- 12.8Gbps
- 9.5Mpps

BUFFER ARCHITECTURE
- 4Mbits

SWITCHING DATABASE
- 8K MAC address entries

LED
- System: System
- 10/100 Ports: Link/activity
- 10/100/1000 Ports: Upper - 10/100 link/activity
  Lower - 1000 link/activity

TEMPERATURE
- Operating: 0 to 45 °C / 32 to 113 °F
- Storage: -40 to 70 °C / -40 to 158 °F

HUMIDITY
- Operating: 10% to 90% (non-condensing)

WEIGHT
- 4.13kg
- 9.11 lbs

DIMENSIONS
- 4.3 x 44 x 33 cm
- 1.7 x 17.3 x 12.992 in

AC INPUT
- 100 to 240 V, 50-60 Hz, 3A

POWER SUPPLY
- Internal, auto-ranging transformer: 100 to 240 VAC, 50 to 60 Hz

POWER CONSUMPTION
- 225 Watts maximum

MAXIMUM CURRENT
- 0.25 A @ 115 VAC
- 0.12 A @ 230 VAC

POWER-OVER-ETHERNET
- Maximum output power per port: 15.4 W
- Output Voltage: 44 - 57 VDC
- Maximum output current per port: 350 mA

MTBF
- 8 Years

SWITCH FEATURES
- Spanning Tree Protocol (802.1D, .1w)
- Forwarding Mode
  - Store-and-forward
- VLAN Support
  - Up to 255 groups; port-based or with 802.1Q
  - VLAN tagging, GVRP for automatic VLAN learning
  - 802.1v (Protocol based Vlans)
  - Private vlan support
- Quality of Service
  - Supports 4 levels of priority with flexible classification and prioritization
  - Per port bandwidth management
- MultiLink Trunking (LACP)
  - 8 groups of up to 8 ports
- Port Mirroring
- IEEE 802.1x
- L2/L3/L4 access control lists
- TACACS+ client authentication
- HTTPS and SSL
- SSH for Telnet sessions
- Static port security
- Jumbo Frame support (on gigabit ports)
- Dual firmware images
- Multiple configuration files support

MANAGEMENT FEATURES
- In-Band Management
  - Telnet, SLIP, Web-based HTTP, or SNMP manager
- Out-of-Band Management
  - RS-232 DB-9 console port
- Software Loading
  - TFTP in-band or Xmodem out-of-band
- MIB Support
  - MIB II (RFC 1213), Bridging MIB (RFC 1493), Ethernet-Like MIB (RFC 2665), Bridge MIB Extensions (RFC 2764), RMON MIB (RFC 1757), RFC 2737, RFC 2742, RFC 2021, RFC 2863, RFC 2618, SMC's private MIB

STANDARDS
- IEEE802.3 Ethernet, IEEE802.3u Fast Ethernet
- IEEE802.1D Spanning Tree Protocol and traffic priorities
- IEEE802.1p Priority tags
- IEEE802.1Q VLAN
- IEEE802.1ac VLAN tagging
- IEEE802.1ad Link aggregation control protocol
- IEEE802.1w Rapid Spanning Tree
- IEEE802.1v Protocol Based Vlans
- IEEE802.3af Power over Ethernet

RMON SUPPORT
- Groups 1,2,3, 9 (Statistics, History, Alarm, Event)

ISO
- IEC8802.3

COMPLIANCES
- CE Mark
- Emissions
- FCC Class A
- Industry Canada Class A
- EN55022 (CISPR 22) Class A
- EN 61000-3-2/3
- VCCI Class A
- Immunity
- EN 61000-4-2/3/4/5/6/8/11

SAFETY
- UL / CUL (UL 60950-1, CSA 22.2 NO60950-1)
- TUV/GS (EN60950-1)
- CB (IEC60950-1)

WARRANTY
- Limited lifetime

SLIDE-IN TRANSCEIVERS FOR COMBO PORTS

SMC1GSFP-SX
- 1G SX SFP Transciever, 550M, Multimode fiber

SMC1GSFP-LX
- 1G LX SFP Transciever, 10Km, Singlemode fiber

SMC1GSFP-ZX
- 1G LH SFP Transciever, 70Km Singlemode fiber

Contact

North America
20 Mason
Irvine, CA 92618
1-800-SMC-4YOU
24/7 Technical Support

Europe/Africa
Fructuos Gelabert 6-8
08970 Sant Joan Despí
Barcelona, Spain

Check www.smc.com for your local country contact information